

Frozen Fruit, Juice, and Vegetable Manufacturing: 2002

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2002 Economic Census

Manufacturing

Industry Series



U.S. CENSUS BUREAU

Helping You Make Informed Decisions

U.S. Department of Commerce
Economics and Statistics Administration
U.S. CENSUS BUREAU



Table 1. Historical Statistics for the Industry: 2002 and Earlier Years

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry and year ¹	Com- panies ²	All estab- lish- ments ³	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expendi- tures (\$1,000)
			Number ⁴	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
311411, Frozen fruit, juice, and vegetable manufacturing											
2002..	151	235	37 939	1 018 448	32 661	62 578	801 688	4 683 155	4 383 644	9 035 140	381 945
2001..	N	N	42 454	1 139 322	36 631	70 476	842 172	4 714 144	5 311 510	10 032 135	292 554
2000..	N	N	43 588	1 105 085	37 650	74 897	825 881	4 772 370	5 045 255	9 822 187	435 572
1999..	N	N	44 469	1 079 764	38 511	75 489	796 408	4 395 439	4 989 394	9 379 090	574 840
1998..	N	N	49 461	1 101 281	41 499	82 260	828 926	4 748 750	5 133 536	9 862 524	462 788
1997..	177	255	46 295	1 047 390	40 130	77 362	790 742	4 507 930	4 995 138	9 549 256	397 733

¹Statistics presented for years ending in 2 and 7 are census data. Interim census years are derived in a representative sample of manufacturing establishments canvassed in the Annual Survey of Manufactures (ASM).

²For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

³Includes establishments with payroll at any time during the year.

⁴Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 2. Industry Statistics for Selected States: 2002

[States that are a disclosure or with less than 100 employees are not shown. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

Industry and geographic area	All establishments ²		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
	E ¹	Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ³	Hours (1,000)	Wages (\$1,000)			
311411, Frozen fruit, juice, and vegetable manufacturing											
United States.....	2	235	176	37 939	1 018 448	32 661	62 578	801 688	4 683 155	4 383 644	9 035 140
California	2	44	35	6 881	148 764	5 210	8 742	110 139	541 342	572 723	1 111 898
Florida	1	20	15	1 886	71 508	1 534	3 453	50 448	578 491	640 310	1 219 630
Idaho	3	12	12	4 272	121 413	3 818	7 599	102 972	443 348	448 046	891 527
Maine	3	11	8	942	24 568	824	1 619	20 462	131 326	151 917	283 321
Michigan.....	-	14	10	728	16 544	641	1 251	12 557	74 363	49 799	124 162
Minnesota	-	5	5	836	22 749	768	1 574	19 779	99 222	116 100	215 334
New York.....	1	14	9	1 039	25 909	838	1 493	15 734	190 702	157 779	353 382
Ohio	4	3	3	152	4 193	135	254	3 071	12 897	12 389	25 286
Oregon	2	23	19	5 663	146 326	5 025	9 899	113 931	1 017 752	561 574	1 540 376
Washington	2	27	23	6 525	183 029	5 854	11 604	149 520	792 406	712 179	1 505 682
Wisconsin		11	10	3 252	97 296	3 020	5 575	85 683	110 878	394 237	505 501
											17 264

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1–10 to 19 percent; 2–20 to 29 percent; 3–30 to 39 percent; 4–40 to 49 percent; 5–50 to 59 percent; 6–60 to 69 percent; 7–70 to 79 percent; 8–80 to 89 percent; 9–90 percent or more.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

Table 3. Detailed Statistics by Industry: 2002

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Item	Value
311411, Frozen fruit, juice, and vegetable manufacturing	
Companies ¹	number.. 151
All establishments ²	number.. 235
Establishments with 1 to 19 employees	number.. 59
Establishments with 20 to 99 employees	number.. 73
Establishments with 100 employees or more	number.. 103
All employees ³	number.. 37 939
Total compensation	\$1,000.. 1 358 279
Annual payroll	\$1,000.. 1 018 448
Total fringe benefits	\$1,000.. 339 831
Production workers, average for year	number.. 32 661
Production workers on March 12	number.. 30 431
Production workers on May 12	number.. 31 322
Production workers on August 12	number.. 36 618
Production workers on November 12	number.. 32 244
Production worker hours	1,000.. 62 578
Production worker wages	\$1,000.. 801 688
Total cost of materials	\$1,000.. 4 383 644
Materials, parts, containers, packaging, etc., used	\$1,000.. 3 908 173
Resales	\$1,000.. 135 238
Purchased fuels	\$1,000.. 129 129
Purchased electricity	\$1,000.. 146 979
Contract work	\$1,000.. 64 125
Quantity of electricity purchased for heat and power	1,000 kWh.. 2 925 970
Quantity of electricity generated less sold for heat and power	1,000 kWh.. 3 412
Total value of shipments	\$1,000.. 9 035 140
Primary products value of shipments	\$1,000.. 8 384 773
Secondary products value of shipments	\$1,000.. 465 503
Total miscellaneous receipts	\$1,000.. 184 864
Value of resales	\$1,000.. 140 651
Contract receipts	\$1,000.. 23 285
Other miscellaneous receipts	\$1,000.. 20 928
Primary products specialization ratio	percent.. 95
Value of primary products shipments made in all industries	\$1,000.. 8 488 134
Value of primary products shipments made in this industry	\$1,000.. 8 384 773
Value of primary products shipments made in other industries	\$1,000.. 103 361
Coverage ratio	percent.. 99
Value added	\$1,000.. 4 683 155
Total inventories, beginning of year	\$1,000.. 1 641 017
Finished goods inventories	\$1,000.. 1 237 014
Work-in-process inventories	\$1,000.. 98 497
Materials and supplies inventories	\$1,000.. 305 506
Total inventories, end of year	\$1,000.. 1 786 673
Finished goods inventories	\$1,000.. 1 358 395
Work-in-process inventories	\$1,000.. 130 156
Materials and supplies inventories	\$1,000.. 298 122
Gross value of depreciable assets (acquisition costs) at beginning of year	\$1,000.. 3 954 433
Total capital expenditures (new and used)	\$1,000.. 381 945
Buildings and other structures (new and used)	\$1,000.. 84 000
Machinery and equipment (new and used)	\$1,000.. 297 945
Automobiles, trucks, etc., for highway use	\$1,000.. 12 972
Computers and peripheral data processing equipment	\$1,000.. 31 374
All other expenditures for machinery and equipment	\$1,000.. 253 599
Total retirements	\$1,000.. 171 430
Gross value of depreciable assets at end of year	\$1,000.. 4 164 948
Depreciation charges during year	\$1,000.. 242 113
Total rental payments	\$1,000.. 61 742
Buildings and other structures	\$1,000.. 27 347
Machinery and equipment	\$1,000.. 34 395
Total other expenses ⁴	\$1,000.. 296 266
Response coverage ratio ⁵	percent.. 73
Repair and maintenance services of buildings and/or machinery ⁴	\$1,000.. 76 475
Communications services ⁴	\$1,000.. 4 378
Legal services ⁴	\$1,000.. 3 790
Accounting, auditing, and bookkeeping services ⁴	\$1,000.. 2 791
Advertising and promotional services ⁴	\$1,000.. 17 251
Expensed computer hardware and supplies and purchased computer services ⁴	\$1,000.. 1 861
Refuse removal (including hazardous waste) services ⁴	\$1,000.. 16 161
Management consulting and administrative services ⁴	\$1,000.. 4 373
Taxes and license fees ⁴	\$1,000.. 18 220
All other expenses ⁴	\$1,000.. 150 967

¹For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

⁴Based on Annual Survey of Manufactures (ASM) sample data.

⁵A response coverage ratio is derived for this item by calculating the ratio of the weighted employment (establishment data multiplied by sample weight) for those Annual Survey of Manufactures (ASM) establishments that reported to the weighted total employment for all ASM establishments classified in this industry.

Note 1: The amounts shown for other expenses reflect only those services that establishments purchase from other companies.

Note 2: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 4. Industry Statistics by Employment Size: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Employment size class	E ¹	All estab- lishments ²	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expendi- tures (\$1,000)
			Number ³	Payroll (\$1,000)	Number ³	Hours (1,000)	Wages (\$1,000)				
311411, Frozen fruit, juice, and vegetable manufacturing											
All establishments	2	235	37 939	1 018 448	32 661	62 578	801 688	4 683 155	4 383 644	9 035 140	381 945
Establishments with—											
1 to 4 employees	9	21	36	865	31	54	656	3 201	3 303	6 504	313
5 to 9 employees	4	16	100	3 025	86	164	2 082	14 514	19 332	33 846	4 167
10 to 19 employees	7	22	322	9 647	268	528	6 318	36 083	37 505	73 590	3 584
20 to 49 employees	4	35	1 061	29 345	871	1 785	20 131	140 196	143 756	284 068	25 204
50 to 99 employees	2	38	2 700	76 115	2 193	4 421	52 526	304 549	400 105	705 034	19 270
100 to 249 employees	1	51	8 656	225 056	7 359	13 752	161 673	1 078 915	1 137 025	2 221 270	125 308
250 to 499 employees	2	32	11 756	328 614	10 413	20 984	272 906	1 336 769	1 436 294	2 772 397	108 460
500 to 999 employees	2	18	j	D	D	D	D	D	D	D	D
1,000 to 2,499 employees	—	2	h	D	D	D	D	D	D	D	D
2,500 employees or more	—	—	—	—	—	—	—	—	—	—	—
Administrative records ⁴	9	45	404	10 572	368	709	8 467	42 351	43 724	86 075	4 101

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1–10 to 19 percent; 2–20 to 29 percent; 3–30 to 39 percent; 4–40 to 49 percent; 5–50 to 59 percent; 6–60 to 69 percent; 7–70 to 79 percent; 8–80 to 89 percent; 9–90 percent or more.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

⁴Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. Data are also included in respective size classes shown.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 5. Industry Statistics by Primary Product Class Specialization: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry or product class code	Industry or primary product class	All establishments ¹	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number ²	Payroll (\$1,000)	Number ²	Hours (1,000)	Wages (\$1,000)				
311411	Frozen fruit, juice, and vegetable manufacturing	235	37 939	1 018 448	32 661	62 578	801 688	4 683 155	4 383 644	9 035 140	381 945
3114111	Frozen fruits, juices, ades, drinks, and cocktails.....	60	8 930	236 379	7 021	13 416	172 376	1 215 638	1 419 618	2 632 433	103 109
3114114	Frozen vegetables.....	91	26 857	726 767	23 755	45 453	586 063	3 228 248	2 787 753	5 985 193	263 095

¹Includes establishments with payroll at any time during the year.

²Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6a. Products Statistics: 2002 and 1997

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product code	Product		Number of companies with shipments of \$100,000 or more	Product shipments		
				Quantity of production for all purposes	Quantity	Value (\$1,000)
311411	Frozen fruit, juice, and vegetable manufacturing	2002..	N	X	X	8 488 134
		1997..	N	X	X	9 264 738
3114111	Frozen fruits, juices, ades, drinks, and cocktails	2002..	N	X	X	2 559 558
31141111	Frozen fruits	1997..	N	X	X	2 822 600
311411111	Frozen strawberries	mil lb..2002..	13	X	X	706 448
311411112	Frozen red sour cherries	mil lb..2002..	20	X	394.8	756 363
311411113	Frozen apples and applesauce	mil lb..2002..	8	X	S	207 012
311411114	Frozen apples and applesauce	1997..	8	X	70.7	38 677
311411115	Frozen apples and applesauce	mil lb..2002..	7	X	S	152 633
311411116	Frozen berries (including blueberries, raspberries, blackberries, etc.)	mil lb..2002..	16	X	308.9	155 173
311411117	Frozen berries (including blueberries, raspberries, blackberries, etc.)	1997..	15	X	S	100 421
311411118	Other frozen fruits	mil lb..2002..	23	X	101.8	105 195
311411119	Other frozen fruits	1997..	17	X	S	207 705
311411120	Frozen concentrated orange juice, consumer and institutional, 6 oz or less	2002..	N	X	X	225 421
311411121	Frozen concentrated orange juice, consumer and institutional, 6 oz or less	1997..	N	X	X	D
3114111261	Frozen concentrated orange juice, consumer and institutional, 6 oz or less	1,000 cases of 48..2002..	3	X	D	119 538
3114111262	Frozen concentrated orange juice, consumer and institutional, 6 oz or less	1997..	7	X	5 010.4	D
311411127	Frozen concentrated orange juice, consumer and institutional, 6.1 oz to 12 oz	2002..	N	X	X	D
311411128	Frozen concentrated orange juice, consumer and institutional, 6.1 oz to 12 oz	1997..	N	X	X	364 443
3114111371	Frozen concentrated orange juice, consumer and institutional, 6.1 oz to 12 oz	1,000 cases of 24..2002..	7	X	D	364 443
3114111372	Frozen concentrated orange juice, consumer and institutional, 6.1 oz to 12 oz	1997..	10	X	S	104 008
31141114	Frozen concentrated orange juice, consumer and institutional, 12.1 oz or more	2002..	N	X	X	141 025
3114111481	Frozen concentrated orange juice, consumer and institutional, 12.1 oz to 24 oz	1,000 cases of 24..2002..	5	X	S	77 038
3114111491	Frozen concentrated orange juice, consumer and institutional, 12.1 oz to 24 oz	1997..	4	X	D	D
31141115	Frozen concentrated orange juice, consumer and institutional, 24.1 oz or more	1,000 cases..2002..	4	X	S	26 970
31141115	Frozen concentrated orange juice, bulk	1997..	8	X	D	D
31141115A1	Frozen concentrated orange juice, bulk	2002..	N	X	X	916 534
31141116	Frozen concentrated orange juice, bulk	1,000 lb solid..2002..	N	X	X	939 038
31141116	Frozen concentrated juices other than orange juice	1997..	13	X	S	916 534
31141116B1	Frozen concentrated grape juice, 4.1 oz to 7 oz	1,000 cases of 48..2002..	19	X	927.4	939 038
31141116C1	Frozen concentrated grape juice, 4.1 oz to 7 oz	1997..	19	X	406 980	406 980
31141116D1	Frozen concentrated grape juice, 10.1 oz to 13 oz	1,000 cases of 24..2002..	7	X	X	460 144
31141116E1	Frozen concentrated grape juice, 10.1 oz to 13 oz	1997..	4	X	S	16 316
31141116F1	Frozen concentrated grape juice, 10.1 oz to 13 oz	1,000 cases of 24..2002..	6	X	1 770.1	18 057
31141116G1	Frozen concentrated grape juice, 10.1 oz to 13 oz	1997..	10	X	S	17 888
31141116H1	Frozen concentrated grape juice, 10.1 oz to 13 oz	1,000 cases of 24..2002..	14	X	1 994.6	24 643
31141116J1	Frozen concentrated grape juice, 10.1 oz to 13 oz	1997..	7	X	S	12 643
31141116K1	Frozen concentrated grape juice, 10.1 oz to 13 oz	1,000 cases of 24..2002..	2	X	16.9	15 290
31141116L1	Frozen concentrated grape juice, 10.1 oz to 13 oz	1997..	5	X	S	92 386
31141117	Other frozen fruit and berry juices, concentrated	1,000 lb solid..2002..	5	X	65.0	89 589
31141117	Other frozen fruit and berry juices, concentrated	1997..	10	X	S	172 253
31141118	Frozen concentrated lemonade, 4.1 oz to 7 oz	1,000 cases of 48..2002..	14	X	180.4	184 551
31141118	Frozen concentrated lemonade, 4.1 oz to 7 oz	1997..	3	X	D	D
31141118H1	Frozen concentrated lemonade, 10.1 oz to 13 oz	1,000 cases of 24..2002..	2	X	D	D
31141118J1	Frozen concentrated lemonade, 10.1 oz to 13 oz	1997..	5	X	P1.3	12 148
31141118K1	Frozen concentrated lemonade, 10.1 oz to 13 oz	1,000 cases of 24..2002..	4	X	D	D
31141118L1	Frozen concentrated lemonade, 10.1 oz to 13 oz	1997..	22	X	14.6	17 242
31141119	All other frozen concentrated ades, drinks, and cocktails	1,000 lb solid..2002..	4	X	S	24 469
31141119	All other frozen concentrated ades, drinks, and cocktails	1997..	7	X	62.5	56 537
3114111Y	Frozen fruits, juices, ades, drinks, and cocktails, nsk	2002..	9	X	S	11 292
3114111Y	Frozen fruits, juices, ades, drinks, and cocktails, nsk	1997..	8	X	95.5	10 041
3114111WV	Frozen fruits, juices, ades, drinks, and cocktails, nsk	2002..	N	X	X	75
3114111WV	Frozen fruits, juices, ades, drinks, and cocktails, nsk	1997..	N	X	X	42 049
3114111WV	Frozen fruits, juices, ades, drinks, and cocktails, nsk	1997..	N	X	X	75
3114111WV	Frozen fruits, juices, ades, drinks, and cocktails, nsk	1997..	N	X	X	42 049
31141114	Frozen vegetables	2002..	N	X	X	5 701 982
31141114	Frozen vegetables (asparagus, green beans, lima beans, broccoli, brussels sprouts, carrots, cauliflower, green peas, and spinach)	1997..	N	X	X	6 314 734
3114111411	Frozen vegetables (asparagus, green beans, lima beans, broccoli, brussels sprouts, carrots, cauliflower, green peas, and spinach)	2002..	N	X	X	685 321
3114111411	Frozen vegetables (asparagus, green beans, lima beans, broccoli, brussels sprouts, carrots, cauliflower, green peas, and spinach)	1997..	N	X	X	782 751
3114111412	Frozen asparagus	mil lb..2002..	8	X	S	19 249
3114111412	Frozen asparagus	1997..	10	X	14.1	21 778
3114111413	Frozen green, regular, and French-cut beans	mil lb..2002..	9	X	S	133 438
3114111413	Frozen green, regular, and French-cut beans	1997..	19	X	294.6	156 589
3114111414	Frozen lima beans (baby, emerald, and fordhook)	mil lb..2002..	10	X	119.5	64 044
3114111414	Frozen lima beans (baby, emerald, and fordhook)	1997..	14	X	S	65 104
3114111415	Frozen broccoli	mil lb..2002..	10	X	221.7	122 323
3114111415	Frozen broccoli	1997..	19	X	S	123 347
3114111416	Frozen brussels sprouts	mil lb..2002..	5	X	33.4	20 485
3114111416	Frozen brussels sprouts	1997..	5	X	S	22 220
3114111417	Frozen carrots	mil lb..2002..	10	X	336.7	96 057
3114111417	Frozen carrots	1997..	21	X	S	101 898
3114111418	Frozen cauliflower	mil lb..2002..	5	X	31 440	31 440
3114111418	Frozen cauliflower	1997..	12	X	67.9	44 674
3114111419	Frozen green peas	mil lb..2002..	11	X	S	151 531
3114111419	Frozen green peas	1997..	22	X	367.3	186 711
3114111420	Frozen spinach	mil lb..2002..	5	X	P111.1	46 754
3114111420	Frozen spinach	1997..	10	X	150.0	60 430
3114111421	Frozen vegetable combinations (succotash, peas and carrots, mixed vegetables, vegetables with pasta, etc.)	2002..	N	X	X	607 450
3114111421	Frozen vegetable combinations (succotash, peas and carrots, mixed vegetables, vegetables with pasta, etc.)	1997..	N	X	X	609 076
311411142A1	Frozen vegetable combinations (succotash, peas and carrots, mixed vegetables, vegetables with pasta, etc.)	mil lb..2002..	15	X	S	607 450
311411142A1	Frozen vegetable combinations (succotash, peas and carrots, mixed vegetables, vegetables with pasta, etc.)	1997..	25	X	930.4	609 076

See footnotes at end of table.

6 Frozen Fruit, Juice, & Vegetable Mfg

Manufacturing—Industry Series

U.S. Census Bureau, 2002 Economic Census

Table 6a. Products Statistics: 2002 and 1997—Con.

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product code	Product	Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)
311411	Frozen fruit, juice, and vegetable manufacturing—Con.				
3114114	Frozen vegetables—Con.				
31141143	Frozen French-fried potatoes	2002..	N	X	2 341 512
	1997..	1997..	N	X	2 984 066
31141143B1	Frozen French-fried potatoes	mil lb..	2002..	S	2 341 512
	1997..	1997..	7	X	2 984 066
31141144	Other frozen potato products (patties, puffs, etc.)	2002..	N	X	524 223
	1997..	1997..	N	X	544 608
31141144C1	Other frozen potato products (patties, puffs, etc.)	mil lb..	2002..	S	524 223
	1997..	1997..	12	X	544 608
31141145	Frozen sweet cut and cob yellow corn	2002..	N	X	326 083
	1997..	1997..	N	X	394 123
31141145D1	Frozen sweet cut yellow corn	mil lb..	2002..	P453.0	220 135
	1997..	1997..	11	X	561.8
31141145E1	Frozen sweet cob yellow corn	mil lb..	2002..	P319.7	250 883
	1997..	1997..	6	X	105 948
31141146	Frozen southern greens, onions, and other frozen vegetables	2002..	N	X	399.9
	1997..	1997..	N	X	1 079 656
31141146F1	Frozen southern greens (collards, kale, mustard, and turnip)	mil lb..	2002..	D	988 867
	1997..	1997..	3	X	D
31141146G1	Frozen onions (rings, diced, chopped, etc.)	mil lb..	2002..	116.5	37 782
	1997..	1997..	7	X	D
31141146H1	Other frozen vegetables	mil lb..	2002..	496.0	275 420
	1997..	1997..	20	X	S
3114114Y	Frozen vegetables, nsk	2002..	N	X	675 665
	1997..	1997..	N	X	137 737
3114114YWV	Frozen vegetables, nsk	2002..	N	X	11 243
	1997..	1997..	N	X	137 737
311411W	Frozen fruit, juice, and vegetable manufacturing, nsk, total	2002..	N	X	11 243
	1997..	1997..	N	X	226 594
311411WY	Frozen fruit, juice, and vegetable manufacturing, nsk, total	2002..	N	X	127 404
	1997..	1997..	N	X	226 594
311411WYWW	Frozen fruit, juice, and vegetable manufacturing, nsk, for nonadministrative-record establishments	2002..	N	X	127 404
	1997..	1997..	N	X	144 019
311411WYWy	Frozen fruit, juice, and vegetable manufacturing, nsk, for administrative-record establishments	2002..	N	X	64 569
	1997..	1997..	N	X	82 575
					62 835

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p=10 to 19 percent estimated; q=20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6b. Product Class Shipments for Selected States: 2002 and 1997

[Product classes covered are those that are economically significant and whose production is geographically dispersed, provided dispersion is not approximated by data in Table 2. Also, product classes are not shown if they are miscellaneous or "not specified by kind" classes. Statistics for some states are withheld because they are either less than \$2 million in product class shipments or they disclose data for individual companies in 2002. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographic definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)
3114111	Frozen fruits, juices, ades, drinks, and cocktails	
	United States.....	2 559 558
	1997..	2 822 600
	California	670 820
	1997..	611 938
	Florida	1 000 877
	1997..	1 523 425
	Maine	52 905
	1997..	32 856
	Michigan.....	206 994
	1997..	86 476
	Oregon	250 990
	1997..	166 833
	Washington	178 795
	1997..	100 899
3114114	Frozen vegetables	
	United States.....	5 701 982
	1997..	6 314 734
	California	316 556
	1997..	417 525
	Idaho.....	825 725
	1997..	940 420
	Michigan.....	26 679
	1997..	56 433
	Minnesota	211 034
	1997..	207 277
	Oregon	1 245 431
	1997..	1 139 677
	Washington	1 292 416
	1997..	1 219 075
	Wisconsin	479 642
	1997..	613 074

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

Table 7. Materials Consumed by Kind: 2002 and 1997

[Includes quantity and cost of materials consumed or put into production by establishments classified only in this industry. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Material code	Material consumed	Quantity	Delivered cost (\$1,000)
311411	Frozen fruit, juice, and vegetable manufacturing		
00900001	Total materials	2002.. X 3 908 173 1997.. X 4 429 724	
32222401	Bags (uncoated paper and multiwall)	2002.. X 2 046 1997.. X 3 055	
11131000	Fresh oranges	1,000 s tons 2002.. S 577 379 1997.. P3 215.2 616 193	
11133100	Fresh apples	1,000 s tons 2002.. S 63 356 1997.. 270.8 63 619	
11133300	Fresh strawberries	1,000 s tons 2002.. S 98 343 1997.. P152.4 97 177	
11130005	Other fresh fruits (excluding oranges, apples, and strawberries)	1,000 s tons 2002.. P290.0 196 893 1997.. 723.0 199 237	
11121901	Fresh green peas	1,000 s tons 2002.. S 36 917 1997.. P166.5 40 750	
11121100	White potatoes	1,000 s tons 2002.. S 542 148 1997.. 5 793.5 597 673	
11121905	Fresh sweet corn	1,000 s tons 2002.. P558.8 73 653 1997.. 1 027.3 76 985	
11121903	Fresh green (snap) and wax beans	1,000 s tons 2002.. S 52 190 1997.. 234.8 53 660	
11100013	All other fresh vegetables (excluding green peas, white potatoes, sweet corn, and green and wax beans (snap))	1,000 s tons 2002.. 3 547.7 449 540 1997.. 2 229.8 584 537	
31141101	Frozen fruits for, further processing	mil lb. 2002.. P434.8 271 164 1997.. 282.0 261 641	
31141103	Frozen vegetables for further processing	mil lb. 2002.. P637.5 250 705 1997.. 626.9 267 862	
31151303	Natural and processed cheese (including imitation and substitutes)	mil lb. 2002.. S 26 678 1997.. 25.2 39 420	
31131001	Sugar, cane and beet (sugar solids)	1,000 s tons 2002.. P15.8 8 175 1997.. N N	
31121101	Wheat flour	1,000 cwt. 2002.. P487.2 7 222 1997.. 268.5 6 272	
31100019	Fats and oils, all types, purchased	mil lb. 2002.. 363.3 87 779 1997.. 582.6 173 611	
001900A1	Packaging paper and plastics film, coated and laminated	2002.. X 119 528 1997.. X 110 869	
001900A3	Bags (plastics, foil, and coated paper)	2002.. X 21 584 1997.. X 27 357	
32221001	Paperboard containers, boxes, and corrugated paperboard	2002.. X 139 093 1997.. X 324 831	
33243101	Metal cans, lids, and ends	2002.. X 50 644 1997.. X 66 417	
00970099	All other materials and components, parts, containers, and supplies	2002.. X 249 810 1997.. X 536 358	
00971000	Materials, ingredients, containers, and supplies, nsk	2002.. X 583 326 1997.. X 282 200	

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p=10 to 19 percent estimated; q=20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.